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What is claimed is:

1. Metallic material provided with a chromium-oxide passivation film comprising a passivation film consisting of chromium oxide obtained by oxidizing a chromium coat on the metallic material of which surface roughness (Ra) is not more than 1.5im.
- 5 2. The metallic material provided with the chromium-oxide passivation film according to claim 1, wherein pin holes of said chromium-oxide passivation film are filled.
3. A method for manufacturing metallic material on which a 10 chromium-oxide passivation film is formed, comprising the step of :
- 15 forming the passivation film consisting of chromium oxide by applying heat treatment in an oxidizing atmosphere after coating chromium on metallic material of which surface roughness (Ra) of a coat surface is not more than 1.5im.
4. Parts contacting with fluid and a fluid supplying / exhaust system, comprising metallic material having a chromium-oxide passivation film according to claim 1.